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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/633,672	08/05/2003	Masaaki Miyamoto	240086US0CONT	5317
22850 7590 10/24/2005			EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			BOYKIN, TERRESSA M	
1940 DUKE STREET ALEXANDRIA, VA 22314		ART UNIT	PAPER NUMBER	
	•		1711	

DATE MAILED: 10/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

10/633,672 Examiner Terressa M. Boykin ears on the cover sheet with the cover	MIYAMOTO ET AL. Art Unit 1711 orrespondence address				
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36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
eptember 2005.					
					
This action is FINAL . 2b)⊠ This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
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vn from consideration.					
epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
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Priority

Applicant cannot rely upon the foreign priority papers to overcome this rejection because a translation of said papers has not been made of record in accordance with 37 CFR 1.55. See MPEP § 201.15.

The previous indicated allowability of any of claims 1, 3-49 is withdrawn in view of the STN Structure search which provided newly discovered reference to JP 2003-026913 as well as art previously cited by the applicants. Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3-49 are rejected under 35 U.S.C. 102(b or e) as being anticipated by EP 0736561 see page 1 lines 16-34. pages 7 –8, table 2 and examples 15-17 or JP 2003-026913 see abstract and machine translated claims.

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The reference discloses an optical disc substrate comprises an aromatic polycarbonate composition containing polycarbonate having main repeating unit(s) of specific structure. The polycarbonate comprises 10-25C aliphatic monocarboxylic acid and 2-10C aliphatic polyhydric alcohol.

Specifically, an optical disc substrate comprises an aromatic polycarbonate composition containing polycarbonate having main repeating unit(s) of formula 1, 2 and/or 3. The polycarbonate has a viscosity average molecular weight of 12000-17000. The polycarbonate composition contains 10-25C aliphatic monocarboxylic acid and 2-10C aliphatic polyhydric alcohol. The disc substrate satisfies the condition, 0.45 multiply H2 at most H1 at most 1.15 multiply H2, where H2 represents the enthalpy relaxation amount of the aromatic polycarbonate composition (J/g), and is preferably H2=1.5-3.0, and H1 represents enthalpy relaxation amount of the disc substrate (J/g), and is preferably H1=0.9-2.9

The compsoition is used in optical recording medium for recording, reproducing and erasing information using laser lights.

The optical disc substrate has excellent transferability hence the disc substrate can be exactly molded into desired shape. Deformation of disc substrate is suppressed.

Now turning to **EP 0736561,** the reference discloses a dihydroxy compound. Mixture obtained by adding the ortho, para-bisphenol compound (I) Ra, Rb = halo, hydrocarbon; p = 0-3; q = 0-4; X = O, S, SO, SO2; (cyclo)aliphatic, aromatic 6C or higher hydrocarbon group; group of formula -C(Rc)(Rd)- (a) or -C(=Re)-

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(b),where Rc, Rd = H, hydrocarbon; and Re = hydrocarbon, to a dihydroxy compound having 99-95 wt.% purity or above using UV absorption HPLC. (I) is present at 5x10-5 to 3x10-2 moles w.r.t. 1 mole of the dihydroxy compound also claimed are: (i) the polymer having units derived from the dihydroxy compound and at least one of its terminal groups is of formula (II); (ii) an optical disk molded from the polymer (i); and (iii) a method for making the polymer (i) comprising melt polycondensing the dihydroxy compound and terminating the polymer with a terminal group of formula (II).

The dihydroxy compound derived polymers are useful in machinery components, electronic components, automobile components, and particular optical disks.

The dihydroxy compound/ ortho, para-bisphenol mixture has outstanding thermal stability and retention of color and transparency during molding.

Thus, each of the references above disclose a branched aromatic polycarbonate prepared from the same components as claimed by applicants and possessing the same structural formulas as claimed as well as the physical and chemical characteristics as well as the ranges as claimed. In view of the above, there appears to be no significant difference between the reference and that which is claimed by applicant(s). Any differences not specifically mentioned appear to be conventional. Consequently, the claimed invention cannot be deemed as novel and accordingly is unpatentable.

Correspondence

Please note that the <u>cited</u> U.S. patents and patent application publications are available for download via the Office's PAIR. As an alternate source, <u>all</u> U.S. patents and patent application publications are available on the USPTO web site (<u>www.uspto.gov</u>), from the Office of Public Records and from commercial sources. Applicants may be referred to the Electronic Business Center (EBC) at http://www.uspto.gov/ebc/index.html or 1-866-217-9197.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Terressa Boykin whose telephone number is 571 272-1069. The examiner can normally be reached on Monday through Friday from 6:30am to 3:00pm.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. The general information number for listings of personnel is (571-272-1700).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free).

tmb

xaminer Terressa Boykin

Primary Examiner

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